

KISS, Ferenc

"Effect of the number of children on the standard of living  
of families between 1950 and 1961" by Paul Paillat (from  
"Population," no.3, 1962). Reviewed by Ferenc Kiss.  
Stat szemle 41 no.3:326-327 Mr '63.

KISS FAZEKAS, P.

Problem of professional replacement in the shoe industry. p. 85 Report  
by the working committee formed to investigate the analysis of chrome-  
leather powder. p. 88. BOR-ES CIPOTECHNIKA. (Boripari Tudományos Egyesület  
mint a Magyar Tudományos Egyesületek Szövetsége Tagegyesülete) Budapest

SOURCE: East European Accessions List (EEAL), Library of Congress  
Vol. 5, no. 6, June 1956

S/081/62/000/005/026/112  
B149/B101

AUTHORS: Ripan, Raluca, Kiss, Gabriola, Szekely, Z.  
TITLE: The spectrophotometric determination of hexavalent uranium  
PERIODICAL: Referativnyy zhurnal. Khimiya, no. 5, 1962, 153, Abstract  
5D86 (Studii si cercetari chim. Acad. RPR Fil. Cluj, v. 11,  
no. 2, 1960, 259-266)

TEXT: A spectrophotometric method for the determination of  $U^{6+}$  in the form of an orange-colored complex with salicylaldoxime (I) (molar ratio U:I=1:1) has been worked out. The optimum pH is 8.50-9.50. The color intensity increases if the concentration of I is increased up to a 20-fold excess, thereafter becoming stable. The color develops during 20 min remains stable for as long as a day. Maximum light absorption of the complex is at 400 mμ; at this wave length the reagent absorbs a considerable amount of light. Beer's law is satisfied at a U concentration of 10-60 μ/ml and at 400 mμ, also at concentrations of 10-60 μ/ml and 450 mμ (at the latter wave length I does not absorb, but the sensitivity of the determination is somewhat lower). 5 ml of freshly prepared

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The spectrophotometric...

S/091/62/000/005/028/112  
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$4.2 \cdot 10^{-2}$  M solution of I (34-fold excess), and 7 ml of 0.05 M solution of borax (to ensure pH = 9.18) are added to the neutral or slightly acid solution of  $U^{6+}$  (up to 1500  $\mu$ U). The mixture is diluted with water to 25 ml and examined spectrophotometrically at 400 m $\mu$ . An analogous solution of I is used as a blank.  $Fe^{3+}$ ,  $V^{5+}$ ,  $CN^{-}$ ,  $CO_3^{2-}$ , citrates and tartrates interfere with these determinations, whilst the following do not:

(in  $\mu$ /ml, with U content = 50  $\mu$ /ml)  $SO_4^{2-}$  6000,  $Cl^{-}$  3000,  $F^{-}$  and  $CH_3COO$

2000 and Th 300. To prepare the reagent 0.5756 g I are dissolved in 3-4 ml of ethanol heated in water at 80°C, kept warm until I is completely dissolved (without stirring), made up to 100 ml and filtered.

[Abstracter's note: Complete translation.]

Card 2/2

KISS, Gabor

Experiments in improving the Hungarian siliceous earths. Vesz-  
prem vegyip egy kezl 4 no.4:341-342 '60

1. Bekescsabai Teglagyar, Bekescsaba.

MATYUS, Endre, dr.; KISS, Geza, dr.; SZOMOR, Laszlo, dr.

Repeated surgery of bilateral hydronephrosis and hydroureter.  
Orv. hetil. 106 no.38:1803-1805 19 9 '65.

1. Miskolci Varosi Tanacs V.B. Megyei-Varosi Korhaz, Szent-  
peteri kapu, Urológiai Osztaly (foorvos: Matyus, Endre, dr.).

ADAM, Gabor, dr.; KISS, Gesa, dr.; FRIEDMANN, Edit, dr.

Patients with pulmonary tuberculosis in penitentiaries. Tuberkulózis  
14 no.6:161-164 Je '61.

1. A Belugyminissterium Egészségügyi Osztályának közleménye.

(PRISONS) (TUBERCULOUS PATIENTS)

FICS, HY.

Economic method of graphic calculation in geodesy. p. 222 (Geodezia es Kartografia  
Vol. 9, no. 3, 1956 Budapest)

SO: Monthly list of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957, Uncl.



671 AM 6/17/61

**KISS, Gy**  
**H**

**40. Gear control, by Gy. Kiss (Magyar Technika Hungarian Engineering No. 6 pp 78-85 June, 1960)**

The rapid development in the designing of machines, in general, and especially of vehicle engines, results in increasingly higher quality properties of the toothed wheels employed. For manufacturing perfectly machined toothed wheels reliable procedures and gauges are necessary. However, only one group has been dealt with in this article, i.e. spur wheels. A description follows referring to the measurements and properties to be controlled on spur wheels, to the checking itself, respectively the control procedure, as well as to the gauges and tools which had been purchased by the Budapest Polytechnic University during the Three Year Plan, as for instance: the gear tooth edgewise, the tooth flank testing device, etc. Further more, the article describes the gear measuring method most frequently used, that is, controlling tooth diameters with parallel measuring surfaces over several teeth with the aid of slide rule calipers, tooth micrometers, or for mass production, with limit gauges. Small pinions can be controlled with optical instruments projecting the magnified picture of the pinions onto a screen where it is compared to the original drawing of the tooth.

ASO-55A METALLURGICAL LN  
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APPROVED FOR RELEASE: 09/17/2001

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SEARCHED \_\_\_\_\_ INDEXED \_\_\_\_\_  
SERIALIZED \_\_\_\_\_ FILED \_\_\_\_\_  
MAR 1968  
FBI - NEW YORK  
MURDER OF MARTIN LUTHER KING, JR.  
RE: [redacted] [redacted]  
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[redacted] [redacted] [redacted] [redacted] [redacted] [redacted]

**EN**

KISS, GY.

Remarks on the standardization of surface roughness.

P. 153. (MERES E3 AUTOMATIKA) (Budapest, Hungary) Vol. 5, no. 4, 1957

S0: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

Distr: 4B3d/4E2c(j)

48. A petroleum experiment station for radiation tests.  
(In German) G. K. G. J. V. J. N. T. J. M. J.  
Periodien Polym. Engineering. Vol. 2, 1954, No. 1,  
pp. 33-50, 5 figs, 2 tabs.

There are excellent possibilities for promoting the known reactions in the up-to-date technological procedures employed in the petroleum industry by high-frequency radiation. The effect of radiating energy on hydrocarbons requires further extensive investigations before putting it to industrial use. Plans for a pilot plant employing unusually high strengths of radiation, e.g. a 10 kilocurie radiation gun suitable for conducting such tests, must provide for special structural and constructional features. A new type mechanical equipment must be used for the safe transport, storage and handling of cobalt-60 emitting gamma radiation. Safety above all else must be borne in mind when designing this type of equipment consequently the manipulators must consist of simple elements with a minimum number of sources of failure and with 100% reserve safety in all its details. Health protection and the design of mechanical equipment determine the constructional requirements in planning. Plans for a pilot plant equipped with a radiation gun to be established in the vicinity of a petroleum plant are described. The major requirements are summarized and details on all items of machinery and construction are given.

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KISS, Gy. Janos

Socialist way of technical propaganda. Munka 13 no.10:20-21  
0 '63.

KISS SYON  
CSIKY, Kalman, dr.:KISS, Ferenc, dr.:CSIKYME-WAGNER, Rozsa, dr.:KISS, Gyorgy, dr.

New successful treatment of acute exogenous psychoses (so-called fatal catatonias) by repeated blood transfusions; data on the diagnostic and prognostic value of eosinophil count in psychiatry.

1. A marosvásárhelyi Elmegyógyászati klinika közleménye.

(MENTAL DISORDERS, blood in

eosinophil count, diag. & prognostic value (Hun))

(CATATONIA, ther.

blood transfusion, repeated, in acute catatonias (Hun))

(BLOOD TRANSFUSION, in various dis.

catatonia, acute, repeated transfusions (Hun))

KISS, Gyorgy

A prolific inventor and innovator at the Central Telegraphic Office. Ujit lap 15 no. 16:4 25 Ag '63.



KISS, Gyorgy

Conference on work psychology arranged by the Hungarian  
Academy of Sciences. Term tud kosi 8 no.12:570-571 D '64.

KISS, Gyozo, okleveles gepeszmernok

Data on the Diesel motor carburator. Auto motor 15 no.9:13  
My '62.

KISS, Gyozo, okleveles gepeszmernok

Cold starting of diesel motors. Auto motor 15 no.23:14-15 6 D '62.

K155, Gyozo

Some defects of the injection pump of the U-28 tractor engine.  
Kozogazd techn 3 no.6:10-11 '63.

KISS, Gyozo, okleveles gepeszmernok

Output, consumption, pre-charge at diesel motors. Auto motor  
16 no.1:14 6 Ja '63.

KISS, Gyozo, okleveles gepeszmernok

The two-bore injection cylinder of diesel engines. Auto motor 16 no.5:  
12 6 Mr '63.

KISS, Gyozo, okleveles gepessmernok

Operation of the GAMMA injection pump. Auto motor 16 no.8:14 21 Ap  
'63.

KISS, Gyozo, okleveles gepeszmernok

Adjustment of feed pumps. Auto motor 16 no.19:15 6 0 '63.



KISS, Gyozo, okleveles gepeszmernok, szerkesztési csoportvezeto

Examination of engine characteristics developed by the D.P.A.-  
type distributor feed pump. Jarmu memo gep 10 no.8:297-302  
Ag '63.

1. Gamma Optikai Muvek.

KISS, Gyozo, okleveles gepeszmernok

Small-category diesel engines. Auto motor 16 no.21:13 6 N '63.

KISS, Gyozo

Cold starting. Mezogazd techn 3 no.11:18 '63.

KISS, Gyozo, okleveles gépészmérnök

Diesel engines and winter. Auto motor 16 no.23:12-13 6 D'63

KISS, Gyozo, oklaveles gepeszmernok

Any-fuel diesel engines. Auto motor 17 no. 7:14 6 Ap '64.



KISS, Gyozo. okleveles gepeszmernok

Ignition of diesel engines in wintertime. Auto motor 13 no.1:14  
6 Ja '65.

KISS, Gyula, fomernek; HORVATH, Jozsef, fofelugyelo

Method for calculating economy at plants preparing homogeneous products. Energia es atom 15 no.1:29-37 Ja '62.

1. Magyar Beruhasasi Bank.

(Hungary—Industrial management)



**KISS, G.**

Binding of exogenous carcinogens to the transport-albumin of blood. *Borogygy. vener. szemle* 6 no. 5:139-140 Oct 1952. (GLML 24:1)

1. Dermatological Clinic (Director -- Prof. Dr. Miklos Melcser),  
Peas Medical University.

**KISS, Gyula, dr.**

Consideration on the effect of roentgen rays. *Borogygy. vener.*  
szemle 9 no.4:136-138 July 55.

1. A Pecsí Orvostudományi Egyetem Borogygyászati Klinikájának  
(igazgató: Molcsér Miklós dr. egyetemi tanár) közleménye.  
(ROENTGEN RAYS, effects)

MELCZER, Miklos.; KISS, Gyula.

Data on reticuloendothelial storage; preliminary publication.  
Orv. hetil. 96 no.50:1379-13781 11 Dec 55.

1. A Pecsí Orvostudományi Egyetem Borgyógyászati Klinikájának  
(igazgató: Melczer Miklos dr. egyet. tanár) közleménye.  
(RETICULOENDOTHELIAL SYSTEM, physiol.  
storage mechanism, regulation & inhibition (Hun))

**MELCZER, Miklos; KISS, Gyula**

Reticuloendothelial storage and leukocyte phagocytosis.  
Kiserletes orvostud. 8 no.4:398-400 July 56.

1. Pecsí Orvostudományi Egyetem Bőrgyógyászati Klinikája.

(RETICULOENDOTHELIAL SYSTEM, physiol.

colloidopexy, relation to phagocytosis of leukocytes  
(Hun))

(PHAGOCYTOSIS

of leukocytes, relation to colloidopexy in reticuloendothelial  
system (Hun))

(LEUKOCYTES

phagocytosis, relation to colloidopexy in reticuloendothelial  
system (Hun))

MELCZER, Miklos, dr.: ~~MISS. Orula, dr.~~

Pathogenic data on leukoplakia oris. *Borgyogy. vener. szemle* 10  
no.5:193-197 Sept 56.

1. A Pecsí Orvostudományi Egyetem Borgyógyászati Klinikájának  
(igazgató: Melczer, Miklos, dr. egyetemi tanár) közleménye.  
(LEUKOPLAKIA, etiol. & pathogen.  
mouth, metallic dent. fillings & prosth., role in  
etiol. of mouth cancer (Hun))  
(DENTAL PROSTHESIS, inf. eff.  
metallic prosth. causing mouth leukoplakia & cancer (Hun))  
(DENTAL CAVITIES  
fillings, metallic, causing mouth leukoplakia & cancer  
(Hun))  
(MOUTH, neoplasms  
etiol., metallic dent. fillings & prosth. causing  
mouth leukoplakia & cancer (Hun))

MEICZER MIKLOS; KISS GYULA

New data on reticuloendothelial storage. Kiserletes orvostud. 9 no.3:  
279-282 July 57.

1. Pecséi Orvostudományi Egyetem Borgyógyászati Klinikája.

(RETICULOENDOTHELIAL SYSTEM, physiol.

RE storage mechanism, storage of plasma proteins & identity  
with phagocytic mechanism (Hun))

(PHAGOCYTOSIS

identity of phagocytic mechanism with mechanism of RE  
storage (Hun))

MELCZER, M.; KISS, O.

Pathogenesis of leukoplakia oris; the importance of electrogalvanism produced by metallic restorations in the origin of leukoplakia oris. Acta med. hung. 10 no.4:405-413 1957.

1. Department of Dermatology, Medical University, Pecs.

(LEUKOPLAKIA, etiol. & pathogen.

mouth, pathogenic role of galvanic current generated by metallic dent. material)

(MOUTH, dis.

leukoplakia, pathogenic role of galvanic current generated by metallic dent. material)

(DENTAL MATERIALS, inj. off.

metallic dent. material generated galvanic current in pathogen. of leukoplakia oris)

MELTZER, M.; KISS, Gy.

Reticuloendothelial storage and phagocytic activity of leukocytes.  
Acta physiol. hung. 11(Suppl):66-67 1957.

1. Dermatologische Klinik der Medizinischen Universität, Pecs.

(LEUKOCYTES

phagocytosis & storage by RE system (Ger))

(PHAGOCYTOSIS

by leukocytes (Ger))

(RETICULOENDOTHELIAL SYSTEM, physiol.

leukocyte storage (Ger))



KISS, Gyula, dr.; MELCSER, Miklos, dr.

Data on the permeability of malignant tumors; new means for  
the early diagnosis of malignant tumors. Orv. hetil. 98 no.  
1-4:41-42 Jan 57.

1. A Pecséi Orvostudományi Egyetem Borgyógyászati Klinikájának  
(igazgató: Melcsér, Miklos, dr. egyet. tanár) közleménye.  
(SKIN NEOPLASMS, diag.  
early, skin permeability determ. by electrodermography (Hun))

MELCZER, Miklos; KISS, Gyula; GORCS, Jeno; KUMMERLANDER, Lajos

Significance of electrometry in detection of cancer and pre-cancerous states of uterine cervix. Orv. hetil. 98 no.22: 583 2 June 57.

1. A Pecs Orvostudományi Egyetem Bor- és Nőbetegek Klinikájának (igazgató: Melczer, Miklos, dr. egyet. tanár) és a Szülészeti és Gyógyászati Klinikájának (igazgató: Lajos, Láslo, dr. egyet. tanár).

(CERVIX NEOPLASMS, diag.

electrometry in detection of cancer & precancerous states (Hun))

(ELECTRODIAGNOSIS, in various dis.

cancer & precancerous states of uterine cervix, electrometry (Hun))

MELCNER, Miklos; KISS, Gyula

Data on the mode of development of thromboses caused by injuries.  
Kiserletes orvostud. 10 no.2-3:160-162 Apr-June 58.

1. Pécsi Orvostudományi Egyetem Borgyógyászati Klinikája.

(BLOOD COAGULATION

eff. of electric current on in vitro coagulation, relation  
to develop. of thrombosis in inj. (Hun))

(ELECTRICITY, eff.

on blood coagulation in vitro, relation to develop. of  
thrombosis in inj. (Hun))

KISS, Gyula, Dr.

Changes in ion permeability of skin under the influence of ointment bases. *Borogygy. vener. szemle* 12 no.4-5:187-188 Aug-Oct 58.

1. A Pécsi Orvostudományi Egyetem Borogyógyászati Klinikájának közleménye  
(Irászató: Melcsér Miklós dr. egyetemi tanár).

(SKIN, eff. of drugs on  
ointment bases on permeability to ions (Hun))

(OINTMENTS  
bases, influence on skin permeability to ions (Hun))

(IONS, physiol.  
skin permeability, eff. of ointment bases (Hun))

KISS, Gyula, dr.

Data on pathomechanisms of late x-ray injuries. Magy radiol 12  
no. 1:40-42 Mr '60.

1. A Pecsí Orvostudományi Egyetem Bergyógyászati Klinikájának,  
(igazgató: Melezer, Miklós, dr. egyet tanár) közleménye.  
(RADIATION INJURY case reports)

KISS, Gyula

Data on liquid-ion resorption capacity of the skin and mucous membranes, Kiserletes Orvostud. 12 no.2:131-135 Ap '60.

1. Pécsi Orvostudományi Egyetem Borgógyászati Klinikája.  
(SKIN physiol.)  
(MUCOUS MEMBRANE physiol.)  
(IONS)

KISS, Gyula, Dr.

Percutaneous absorption by the skin. Borgyogy.vener.szemle 36  
no.2-3:70-74 Mr-My '60.

(SKIN physiol)

KISS, Gyula, dr.; HAUG, Agnes, dr.

Studies on percutaneous absorption following x-ray irradiation.  
Borgyogy. vener. szemle 37:74-77 '61.

1. A Pecsí Orvostudományi Egyetem Borgyógyászati Klinikája (Igazgató:  
Melcsér Miklós dr. egyet. tanár) közleménye.

(SKIN radiation effects) (PERMEABILITY)  
(RADIATION INJURY exper)



KISS, Gyula, dr.; JOZSA, László, dr.; LUSZTIG, Gábor, dr.

Clinical and pathological data on primary tubal cancer. Magyar. orvos.  
lap. 25 no.2:115-120 Mr '62.

1. A Bacs-Kiskun Megyei Tanács Kórháza Kecskemét (Igazgató: Strasser  
László dr.) Szülészet-Nőgyógyászati Osztályának (Főorvos: Bacso Károly  
dr.) és Prosecturájának (Főorvos: Lusztig Gábor dr.) közleménye.

(FALLOPIAN TUBES neopl)

MELCZER, Miklos, dr.; HAMAR, Matild, dr.; KISS, Gyula, dr.; ROKA, Edit, dr.

Data on regional, chronic and vegetating pyodermas. *Borgyog/. vener.*  
szemle 38 no.5:194-198 O '62.

1. A Pecséi Orvostudományi Egyetem Borgyógyászati Klinikájának (igazgató:  
Melcsér Miklos dr., egyetemi tanár) közleménye.  
(PYODERMA)

KISS, Gyula, dr.

Data on percutaneous absorption through the skin and mucous membranes.  
Borgyogy. vener. szemle 38 no.5:199-202 0 '62.

1. Pecsí Orvostudományi Egyetem Borgyógyászati Klinikája (Igazgató:  
Malczer Miklós dr. egyetemi tanár) közleménye.  
(ABSORPTION) (MUCOUS MEMBRANE) (SKIN)  
(PERMEABILITY)

MEICZER, Miklos, dr.; HAMAR, Matild, dr.; KISS, Gyula, dr.; ROKA, Edit, dr.

Data on the pathogenesis of lupus erythematosus. Orv. hetil. 103 no.13:  
581-584 1 Ap '62.

1. Pecsí Orvostudományi Egyetem, Borgyógyászati Klinika.

(LUPUS ERYTHEMATOSUS etiol)

KISS, Gyula, dr.

The effect of ointment bases on percutaneous absorption.

Borgyogy. vener. szemle 39 no. 4:162-165 Ag '63.

(OINTMENTS) (ABSORPTION) (SKIN) (EMULSIONS)

**HUNGARY**

ALLER, Maria, M.D., CSEPLAK, Gyorgy, M.D., KISS, Gyula, M.D., PLECH, Agota, M.D., ROKA, Edith, M.D., and SZADVARI, Maria, M.D., of the Complex Brigade at the Medical University (Orvostudományi Egyetem Komplexbrigádja) in Pecs. (Director: BENKO, Gyorgy, M.D.,).

"Clinical Findings of the Screening Tests on the Workers in the Production Collectives in Jaras Sellye - Dermatological"

Budapest, Orvosi Hetilap, Vol 104, No 19, 12 May 1963, pp. 873-875.

Abstract: Two thousand and sixteen of a total of 3096 individuals examined showed some kind of dermatological finding, although not all of these required medical treatment. The most frequent complaints included fungal diseases, pyoderma, seborrhea, eczema, precarc. carcinoma, allergenic effects, and changes due to advanced age. The dermatological condition of the Gipsy population showed a significant improvement, attributed to the Government's program providing permanent settlement facilities for the tribe. Only five instances of scabies were encountered; there was no evidence of pediculosis. One reference to a Hungarian publication.

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KISS, Gyula, et al.

Significance of electrometric examinations in the diagnosis of pseudo-recurrences following the irradiation of malignant skin tumors. Borgyogy.vener. szemle 40 no.1:24-26 F '64.

KIS, Gy. Janos

Why only 3 per cent? Munka 14 no.8:24-25 Ag '64.

1. "Nepszava", Budapest.

L 26207-66 ETC(f)/EWG(m)/ENP(j)/T DS/RM

ACC NR: AP6010740

SOURCE CODE: HU/0006/66/000/003/0150/0152

AUTHOR: Kiss, G. H.

ORG: none

TITLE: International chemistry conference (Hungary)

SOURCE: Magyar kemikusok lapja, no. 3, 1966, 150-152

TOPIC TAGS: chemical conference, chemical analysis, thermal analysis, chromatography, radiation chemistry, polymer, biochemistry, spectrophotometry, physical chemistry

ABSTRACT: An Analytic Conference was held by the Chemistry Section of the Hungarian Academy of Sciences from 20 to 23 April 1966 in Budapest. The subject of the conference was the application of physicochemical methods in chemical analysis, which was discussed in the following groupings: basic questions of chemical analysis, electroanalysis, thermal analysis, chromatography, spectrophotometry, radio-chemical, and activation analysis.

The Physicochemistry Conference, held from 25 to 28 April 1966 in Budapest had three principal themes: basic physicochemistry, application of physicochemistry in the study of procedures, and in the drug industry. Participants at the conference included 340 Hungarian and 130 foreign scientists, representing 16 countries; English abstracts of the

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papers will be published in ten volumes. A Radiation Chemistry Symposium will be held by the Special Committee on Radiation Chemistry with the support of the National Atomic Energy Commission from 15 to 19 May 1966 in Tihany. The subjects of the conference will encompass the radiation chemistry of organic matter, polymers, and watery solutions. A Conference of Chemists will take place early in September in Debrecen with emphasis on biochemistry. The relationship between chemical structure and biological effect, and the application of biochemical effects in industry and agriculture will be examined at the conference. [ATD PRESS: 4227-F]

SUB CODE: 07, 20, 06 / SUBM DATE: none

Card 2/2 FW

KISS, I.

KISS, I.

Use of whirling thread cutting in manufacturing saw-toothed profiles. p. 406

Vol. 7, No. 11, Nov. 1955 Budapest, Hungary OEP

SO: Monthly List of East European Accessions, (KEAL), LC, Vol. 5  
No. 3, March, 1956

I KISS

HUMANITY/Chemistry - Vitamin B1

Oct 51

"Modified Synthesis of 2-Methyl-4-Amino-5-Ethoxymethyl-Pyrimidine, "O. Fodor, A. Gerecs, I. Kiss, J. Kolonics, J. Wein, E. Kovacs, Inst of Org Chem, Szeged State U; Sci Res Lab, "Chincin" Plant, Hungary

"Zhur Obshch Khim" Vol XXI, No 10, pp 1897-1902

Synthesized 2-methyl-4-amino-5-ethoxymethyl-pyrimidine, one of chief intermediate products in prepn of aneurine, by C elintsev method which, based on esters of enols as starting materials, was extended to enol ethers. By this method closing of pyrimidine ring, difficult and time-consuming in usual method, was carried out in one stage with use of 1 mole of acetanidide.

PA 154739

8/262/62/000/013/001/007  
1007/1207

AUTHORS: Kiss, L., Kona-Somogyi, I., and Szabo, Iana.

TITLE: Organic moderators

PERIODICAL: Referativnyy zhurnal, otdeley vypusk. 42. Silovyye ustanovki, no. 18, 1962, 15, abstract 42.18.62 (Kernenergie, no. 12, 1961, 95-912 [German])

TEXT: The properties are described of organic substances and their mixture for use as moderators and coolants in nuclear reactors. Compared with water, organic compounds have many advantages: high boiling, noncorrosiveness, reduced reactivity, reduced cross section for neutron absorption, and a high moderating capacity. Their main disadvantage is their tendency to decompose under the action of radiations. The resistance of polyphenyls can be increased by the addition of inhibitors. The paper brings a table of the nuclear-physical properties of diphenyl, isopropylidiphenyl, paraffin, diphenyldowtherm, as well as the results of some investigations of these substances. Analysis is made of methods for reducing the radiolysis of polyphenyls by the addition of inhibitors, and of the mechanism of this process. Soviet and U.S. investigations show that in certain inhibitors the action range of the molecule may

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1007/1207

#### Organic Moderators...

extend up to 100 Å. Experimental methods are described for the radiochemical investigations of organic compounds, and static and dynamic methods are outlined. for the experimental study of the behavior of such substances in a radiation field. In the static method, a sample of the compound, enclosed in an ampoule, is subjected to radiation. In the dynamic (or "loop") method, the investigation is conducted in a special unit composed of a pump, evaporators, cooling system, radiation zone, pipe lines and measuring instruments. The compound to be investigated is subjected to radiolysis while passing through the radiation zone, and the resulting products are investigated in a closed cycle or by sample analyses. It is suggested to carry out dynamic investigations directly in the nuclear reactor. The analysis of the decomposition products is by various methods, in particular, by polarographic and fluorescent techniques. A detailed description is given of the paramagnetic-resonance methods used in the investigations. Despite a corrosion resistance of most materials immersed in organic coolants, certain metals such as zirconium or magnesium are liable to corrode as a result of the hydride formation. The study of corrosion process in organic


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1007/1207

Organic moderators...

coolants is complicated by the superimposing action of radiations. There are 119 references. [Abstracter's note: Complete translation.]

Card 3/3



KISS, I.; BAKOS, L.; ANDRAS, I.

Application of solvent extraction in the chemical processing of uranium ores. Magyar kem lap 16 no. 8:341-350. Ag '61

1. Kozponti Kizikai Kutato Intezet, Magkemiai Laboratorium.

FARKAS, Jozsef; KISS, Istvan

On the peaceful use of atomic energy in food industry. Elelm  
ipar 15 no.4:101-106 Ap '61.

1. Kozponti Elelmisszeripari Kutato Intezet.



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Technical and economic aspects of food preservation by radiation.  
Elelm ipar 16 no.1:1-8 Ja '62.

1. Kozponti Elelmiszeripari Kutato Intezet.

GUCZI, Laszlo; KISS, Istvan

Use of radioactive isotopes in the food industry as well as food-industry research. *Elelm ipar* 16 no.8:240-243 Ag '62.

1. Orszagos Atomenergia Bizottsag Isotop Intezet es Kospontja  
Elelm-iszeripari Kutato Intezet.

KISS, Istvan

Our libraries' preparations for the anniversary. Munka 9 no.3:23  
Mr '59.

1. Szakszervezetek Országos Tanácsa kulturális osztálynak  
munkatársa.

HOFFMANN, Ida, dr.; SZOCSKA, Miklos, dr.; PINTER, Gabriella, dr.;  
SZENICZEY, Kornelia, dr.; KISS, Ilona, dr.

Data on drug therapy of primary tuberculosis. Orv. hetil. 102 no.44:  
2077-2081 29 0 '61.

1. Szabadsaghegyi Allami Gyermekszanatorium, Budapest.

(ANTITUBERCULAR AGENTS ther)

KISS, IME

Kiss, Imre Munkahelyek es brigadok onallo elszamolasa a helyepitoiparban; szervezesi iranyelvek es utenterv, tervteljesites kiertekeleso, ugmene- tek abrazolasa, tipus ugyrend. (Utautato a K. P. M. x fco. 9100/137-62/1951. sz. rendelet vegrehajtasahoz) Budapest, Kozlekedes-es Helyepitastudomanyi konyv- es folyoiratkiado Vallalat, 1951. 71 p. (Kozlekedes- es Postaugyi Miniszterium Kiadvanya) (Independent accounting of building sites and building brigades in the construction industry.)

SO: Monthly list of East European Accessions, LC, Vol. 3, No. 1, Jan. 1951  
Uncl.

*Kiss, Imre*

Hungary /Chemical Technology. Chemical Products  
and Their Application

I-10

Pesticides

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31310

Author : Kiss Imre

Title : The Role of Chemical Industry in Development of  
Agricultural Production

Orig Pub: Kozgazd. szemle, 1956, 3, No 9, 1058-1070, 1143,  
1146.

Abstract: Discussion of the significance of synthetic fer-  
tilizers and of pesticides in raising the harvest  
yield of agricultural crops, and of the use of  
antibiotics in increasing the productivity of  
animal husbandry.

Card 1/1

SARKANY, Sandor; ~~GRACZA, Peter~~ KISS, Iren; GRACZA, Peter

Investigation of the histogenic processes pertaining to the development of seed coat in some dicotyledonous plants. Botan közl 49 no.1/2:32-46 '61.

1. Institut für angewandte Botanik und Histogenetik der Universität, Budapest VIII., Múzeum körút 4/a. 2. Magyar Biológiai Társaság Botanikai Szakosztályának elnöke (for Sandor Sarkany).

KISS, Iren

HUNGARY

FARSDIN, Imre; KISS, ~~Ara~~, SZABADAI, Iren; WINTAR, Mrs, SIL-  
BOR, Ilona; I. Clinic of Internal Medicine of the Medical U-  
niversity (Orvostudományi Egyetem I. sz. Belgyógyászati Kli-  
nikája), Szeged.

"Simple Procedure for the Determination of the Total 17,21-  
Dihydroxy-20-ketosteroid Content of Human Urine, Utilizing  
the Porter-Silber Color Reaction."

Budapest, Kiserletes Orvostudomány, Vol 14, No 5, Oct 62,  
pp 549-555.

Abstract: [Authors' Hungarian summary] For the determination  
of the total 17-hydroxycorticosteroid content of human u-  
rine a rapid and accurate method, also suitable for routine  
clinical testing, is described. To provide for more wide-  
spread use of the method, measurement with a simple Haver-  
zann-type photometer is substituted for a spectrophotomet-  
ric measurement. Authors find the method suitable for con-  
trol of adrenocortical activity in clinical practice. Their  
normal values are: 18-50 year old women, 1.5-6.0 mg per day  
18-50 year old men, 2.0-8.0 mg per day. [25 references, pre-  
1/1 dominantly Western.]



KISS, Ivan; LISSAK, Kalman; TIOYI, Andras

Modification of London's method for angiostomy. Kiserletes orvostud  
orvostud 9 no.5-6:550-553 Oct-Dec 58.

1. Pecsi Orvostudományi Egyetem Ellettani Intézete.  
(BLOOD VESSELS, surg.  
angiostomy, modification of London's method by use of  
new cannulae (Hun))

1955, ISTVANNI  
RICHTER, Andras, dr.; technikai munkatars: Kiss, Istvanne, dr.;  
Hollo, Josséf

Behavior of the diphenylamine reaction of the blood serum in  
diseases of the locomotor system. Orv. hetil. 98 no.19:488-  
491 12 May 57.

1. Az Orszagos Reuma es Furdougyi Intezet (igazgato:  
Dubovits, Denez, dr.) es az Orszagos Balneologiai Kutato  
Intezet (Tudomanyos veseto: Schulhof, Odon, dr.) kozlemenye.

(JOINTS, dis.

degenerative & inflammatory, diag., blood phenylaniline  
test (Hun))

(ANILINE DYES

phenylaniline blood test in degenerative & inflammatory  
joint dis. (Hun))

KISS, I.-ne.

Antarctic Symposium in Buenos Aires. Idojaras 64 no.2:126 Mr-Apr '60.  
(ERAI 10:3)

(Antarctic regions)

KISS, Istvan; KISS, Istvanne; NAGY, Gyula

Data on the quick determination of biological purification of  
sewage waters. Elelm ipar 18 no.11:354-355 1964.

1. Central Research Institute of Food Industry, Budapest.

KISS, Istvan; KISS, Istvanne; NAGY, Gyula

Data on the quick determination of biological purification of  
sewage waters. Elelm ipar 18 no.11:354-355 H. U.

1. Central Research Institute of Food Industry, Budapest.

BOJTOR, Ivan; KISS, Istvan; KOCZKAS, Gyula

Measuring large and catastrophe doses of gamma radiation by means of films. *Magy fis folyoir* 11 no.1:1-5 '63.

1. Orszagos Rontgen es Sugarfizikai Intezet es FORTE Fotokemiai Ipar Kutatolaboratoriuma.

KISS, Istvan

Application of perlite in the construction industry. Vasut  
13 no.10:14-15 0 '63.

FOLDVARI, Ferenc, elektrotechnikus (Budapest); KISS, Istvan  
(Borsodnádass, Marx u.71)

Motorists' letters. Auto motor 16 no.10:5 21 My '63.



KI33, I.

KI33, I. Theoretical fundamentals of extraction of root by machine. n. 157.

Vol. 12, no. 1/4, 1954, Budapest, Hungary KOZLEMLENYI

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 5, No. 3,  
March, 1956

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KISS, I.

KISS, I. Decomposition of the general equation of conical sections. p. 143

Vol. 11, no. 3, March 1956

BANYASZATI LAPOK

TECHNOLOGY

Budapest, Hungary

SO: East European accession vol. 6, no. 3, March 1957

18. Some recent achievements in the thermodynamics of multicomponent heterogeneous systems. <sup>21</sup> V. Kise.  
A Magyar Tudományos Akadémia Kémiai Füzetei  
Osztályának Közleményei. Vol. 9, 1958, No. 4, pp. 359—  
 392, 10 figs.

A study of the parameters describing the thermodynamic equilibrium of multicomponent systems showed that the treatment of such systems in terms of Konovalov's first and third laws is unequivocal only if the mode of changing the composition of the mixture is given under isothermal and isobaric conditions. If the composition of the mixture is changed by the addition or removal of one component then these laws hold true only for ideal mixtures. However Konovalov's second law is valid for any multicomponent system. Vrevsky's laws can be derived on the basis of exact thermodynamic considerations. By knowing the vapour-liquid equilibrium data at a single temperature or pressure and using the partial heats of evaporation the variation of the azeotropic compositions in binary or multicomponent mixtures may be calculated by the derived equations. The exactness of the calculation is determined by the accuracy of the initial data.

PARKAS, J.; KISS, I.

Observations on biochemical changes in irradiated spores of  
*Bacillus cereus*. *Acta mikrobiol. acad. sci. Hung.* 12 no.1:  
15-78 '65.

1. Central Food Research Institute (Director: G. Torok),  
Budapest.

POPOVICI, I., ing.; KISS, I.

Calculation of the blend in flax and hemp spinning mills. In  
text Rum 15 no.11:581-583 N '64.

1. "8 Martie" Flax Spinning Mills, Gheorgheni.

HUNGARY

GORGENYI, Oszkar, Dr, KISS, Ilona, Dr. VASS, Etelka, Dr; State Children's Sanatorium (director: SEBES, Terez, Dr, scientific director: GORGENYI, Oszkar, Dr) (Allami Gyermekszanatorium), Szabadsaghegy.

"Treatment of the Adult Type of Pulmonary Tuberculosis During Adolescence With Special Emphasis on Pneumothorax Therapy."

Budapest, Orvosi Hetilap, Vol 108, No 11, 12 Mar 67, pages 487-489.

Abstract: [Authors' Hungarian summary] In response to a three-fold inhibitor therapy, complete healing was achieved in 80-86 per cent of the adolescents with recent infections. In the remaining 15-20 per cent of the cases, pneumothorax therapy was attempted. Resection was decided upon only after other surgical therapies had failed to give satisfactory results. The pneumothorax was usually maintained for 12-18 months. It was, of course, greatly dependent on the condition of the pneumothorax. The "more dry" and free of complication was the pneumothorax, the longer could it be maintained. Sectional roentgenograms taken in the sagittal and lateral directions were used at three-month intervals during the pneumothorax treatment to check the disappearance of the cavern; out of 49 cases, it disappeared within 3 months in 25 cases (51 per cent) and within 6 months in 9 cases. Thoracoscopy was performed in every case to check for the presence of adhesions, 4-8 weeks after the pneumothorax was initiated. A complete pneumothorax could be achieved by means of cauterization in 39 out of 49 cases. If the

1/2



KISS, Istvan, tanszékvezető főiskolai tanár (Szeged)

Waterbloom. Hidrológiai közlöny 38 no.5:381-388 0'58.

KISS, Istvan (Jake, Vasut all. 25/a)

Increasing sensitivity of "Tavass" television set. Radiotechnika  
12 no.6,179 Js '62.

HASZ, Istvan; VAJTA, László; KISS, Istvan; MORA, Ferenc; RASZTOCZKY, Erno;  
DEKAN, Sándor

Organizational questions of the gas industry. Energia es atom  
13 no.3;117-121 Mr '60.

1. Fovarosi Gazmuvek (for Kiss). 2. Budapesti Partbizottsag Ipari  
Osztalya (for Dekan).

KISS, Istvan

Data on the elimination of the detrimental photographic effect of electrostatic phenomena occurring during the preparation of photo-sensitive materials. *Kep hang 6 no.2:39-40 Ap '60.*

1. *Forte Fotokemial Ipari Kutatolaboratorium kutato mernoke, Vac.*

KISS, Istvan

Halogen determination in silver halogenide photosensitive systems. Lep hang 9 no.3:74-77 Je '63.

1. Forte Fotokemial Ipar.

KISS, Istvan

An account of the 20 Yugoslav Microbiological Conference. Elola  
ipar 19 no.1:29 Ja '65.

KISS, Istvan, Dr.

Development of our planning methods. Elelm ipar no.10:311-318  
0 '60.

1. Elelmeszesugyi Minissterium.

KISS, Istvan, a kemiai tudományok kandidátusa

On the West German "cheap" atomic bomb. Term tud kszl 5 no.5:202-205  
Mj '61.

1. Kozponti Fizikai Kutató Intézet, Budapest.



KISS, Istvan

Future tasks in designing and constructing public buildings.  
Magy op ipar L. no.3:140-148 '65.

KISS, Istvan

Educational work in our trade-union libraries. Munka 8 no.12:14-15 D  
'58.

1. Szakszervezetek Országos Tanácsa kulturális osztálya.

VAS, Janos; KISS, Istvan

Cultural work of trade unions in Bulgaria. Munka 8 no.12:28 D '58.

1. Szakszervezetek Országos Tanácsa kulturális osztálya vezetője (for Vas), 2. Szakszervezetek Országos Tanácsa kulturális osztálya (for Kiss).

KISS, Istvan (Budapest)

Is the extraordinary aid really extraordinary? Magyar vasut  
8 no. 6:2 16 Mr '64.